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urpose: PCR amplification with 20g enzyme +
different amount of Deep Vent.

Repeat of previous expt, 4 g points less.

200 μ M dNTP D.V.
0.4 μ M primers 1, 0.5, 0.2, 0.1, 0.05, 0.02, 0.01
50 μ g Template 0.005, 0.002, 0.001, 0
2 mM Mg
20 Tag

0.1 μ l diluted to 0.1 μ l \rightarrow $\frac{1}{10} = 0.01 \mu$ l \rightarrow $\frac{1}{10} = 0.001 \mu$ l
in 1x buffer w/o Mg.

prepared premix 25x, done in duplicate.
45 μ l of " + 5 μ l of different amount of enzyme.

H₂O
10x buffer 125 μ l
dNTP 10 mM 25
Mg 100 mM 25
primers 1 10.6
2 9.5
Template 25.0

112.5 \leftarrow added 2.5 μ l Tag = 250

removed 40 μ l = w/o any enzyme

After adding Tag, mixed & aliquoted 45 μ l / 2x to diff. tubes
added Deep Vent diluted different con.

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Used & Understood by me,

Date

Invented by

Date

Recorded by

12/27/94

K. Sitarman

12/28/94

nessed & Understood

Dat 1/9/05

rded by
K. Subramaniam